

IDEXX VetConnect 1-888-433-9987

Client: BPZOO
Patient: RUTH
Species: ZMAMMAL
Breed: ELEPHANT
Gender: FEMALE
Age: 59Y

Date: 10/21/2017
Requisition #: 30867895
Accession #: U6723600
Ordered by: GREENE, WHITNEY

BUTTONWOOD PARK ZOO
425 HAWTHORNE STREET
NEW BEDFORD, MA 02740
508-991-6178

Account #80666

PRIORITY BIOPSY w/ DESC (601)

Test	Result
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**PATHOLOGIST
REPORT****SOURCE/HISTORY:**

Animal is a 58-year-old female Asian elephant. On October 3 keepers reported that her ear felt stiff. She has a history of frostbite, arthritis and has been treated with Ketoprofen IV as needed, last injection on September 23. Animal has been being treated TID since October 3 with the following schedule: AM: 10 minute hot water compress, laser therapy, topical SSD/triple antibiotic/ Preparation H mixture, Bute 0.35 mg/kg PO SID. Midday: 10 minute hot water compress, topical DMSO/BagBalm mixture. PM: 10 minute hot water compress, topical SSD/triple antibiotic Preparation H mixture. See pictures. Would like to request a dermatopathologist to review the tissues, specifically someone with experience in zoo or wildlife medicine. The requested pathologists are not available.

MICROSCOPIC DESCRIPTION:

Skin, 4 punch biopsies: Multifocally in the interstitial and perivascular dermis, there are moderate numbers of lymphocytes, plasma cells and occasional eosinophils. Moderate dermal fibrosis is noted in some areas. Focally, there are moderate numbers of eosinophils surrounding hyalinized to hypereosinophilic collagen fibers. Moderate epidermal hyperplasia is noted in some areas.

MICROSCOPIC INTERPRETATION:

Moderate, multifocal, interstitial and perivascular, lymphoplasmacytic and occasionally eosinophilic dermatitis, with moderate dermal fibrosis, focal moderate eosinophilic dermatitis with collagen degeneration, and moderate multifocal epidermal hyperplasia.

COMMENTS:

The cause of the lesions is not evident. No infectious agents, ectoparasites or foreign bodies were found. The eosinophilic component of the inflammation and the focal area of moderate eosinophilic inflammation associated with collagen degeneration suggest hypersensitivity. I have zoo and wildlife experience. A colleague with zoo and wildlife experience also examined the sections and agrees with this assessment. Thank you for sending the photographs.

For veterinarians not currently viewing this pathology report in VetConnect PLUS, please log onto www.vetconnectplus.com today to see the image associated with this case, at no additional cost. If you need help logging on, please contact your local IDEXX Customer Support Team.

PATHOLOGIST:

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